

**AMENDMENT****RECEIVED  
CENTRAL FAX CENTER****JUL 12 2005****IN THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Amended) An image capturing device for capturing a light ray, comprising:

a lens having a light axis;

an image sensing device on said light axis, said light ray being focused by said lens to be projected onto said image sensing device, said image sensing device including a plurality of sensing cells; and

a plurality of microlenses on said plurality of sensing cells, each wherein at least one of said plurality of microlenses ~~having~~ has a top surface and a bottom surface, said top surface having a ~~plurality of one or more~~ notches as an input window for changing an incident angle of said light ray, said bottom surface having a ~~plurality of one or more~~ round curves as an output window for further focusing said light ray.

2. (Amended) The device of claim 1, and further comprising at least two notches, wherein each at least a portion of said at least two of said plurality of notches has have a same slope.

3. (Amended) The device of claim 1, and further comprising at least two notches, wherein each at least a portion of said at least two of said plurality of notches has have a different slope, and said slopes decrease gradually from an outermost notch to an innermost notch.

4. (Amended) The device of claim 1, wherein each at least one of said ~~plurality of one or more~~ the round curves has a semicircle cross-section.

5. (Amended)The device of claim 1, wherein said image sensing device is comprises a charge-coupled device.

6. (Amended)The device of claim 1, wherein said image sensing device is comprises a CMOS device.

7. (Amended) A scanning module for scanning a document, comprising:

a chassis;

a light source on said chassis for emitting a light ray on said document;

a plurality of reflectors inside said chassis;

a lens inside said chassis;

an image sensing device inside said chassis, an image of said document being reflected by said plurality of reflectors and formed on said image sensing device, said image sensing device including a plurality of sensing cells; and

a plurality of microlenses on said plurality of sensing cells, each wherein at least one of said plurality of microlenses ~~having~~ has a top surface and a bottom surface, said top surface having a ~~plurality of one or more~~ notches as an input window for changing an incident angle of said light ray, said bottom surface having a ~~plurality of one or more~~ round curves as an output window for further focusing said light ray.

8. (Amended)The device of claim 7, and further comprising at least two notches, wherein each at least a portion of said at least two of said plurality of notches has have a same slope.

9. (Amended)The device of claim 7, and further comprising at least two notches, wherein each at least a portion of said at least two of said plurality of notches has have a different slope, and said slopes decrease gradually from an outermost notch to an innermost notch.

10. (Amended) The device of claim 7, wherein each at least one of said ~~plurality of one or more~~ round curves has a semicircle cross section. ~~11. The device of claim 7, wherein said image sensing device is~~

~~a charge coupled device. 12. The device of claim 7, wherein said image sensing device is a CMOS device.~~

11. (Amended)The device of claim 7, wherein said image sensing device comprises a charge-coupled device.

12. (Amended)The device of claim 7, wherein said image sensing device comprises a CMOS device.